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	Application No.	Applicant(s)		
Notice of Allowability	10/710,277	ZHU ET AL.	ZHU ET AL.	
	Examiner	Art Unit		
	Khanh B. Duong	2822		
The MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.31	(OR REMAINS) CLOSED in the comment of the comment o	n this application. If not incluunication will be mailed in du	ided ie course. THIS	
1. This communication is responsive to the election filed on .	January 17, 2006.		•	
2. The allowed claim(s) is/are 1-12.	•			
 Acknowledgment is made of a claim for foreign priority u a)	e been received. e been received in Application	on No	cation from the	
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDON'S THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	_	e a reply complying with the r	requirements	
4. A SUBSTITUTE OATH OR DECLARATION must be subn INFORMAL PATENT APPLICATION (PTO-152) which give			NOTICE OF	
5. CORRECTED DRAWINGS (as "replacement sheets") mu	st be submitted.			
(a) I including changes required by the Notice of Draftsper		w (PTO-948) attached		
1) hereto or 2) to Paper No./Mail Date	_•			
(b) including changes required by the attached Examiner Paper No./Mail Date	's Amendment / Comment o	r in the Office action of		
Identifying indicia such as the application number (see 37 CFR deach sheet. Replacement sheet(s) should be labeled as such in			he back) of	
6. DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT			. Note the	
 Attachment(s) 1. ☑ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☑ Information Disclosure Statements (PTO-1449 or PTO/SB/OPAPER No./Mail Date 6/30/04) 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material 	6. ☐ Interview S Paper No. 08), 7. ⊠ Examiner's	Iformal Patent Application (Pummary (PTO-413), /Mail Date Amendment/Comment Statement of Reasons for A	, and the second	
		Michael Primary Ex		

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DETAILED ACTION

Election/Restrictions

Applicant's election without traverse of Group I (Claims 1-12) in the reply filed on January 17, 2006 is acknowledged.

Claims 13-20 are withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected invention, there being no allowable generic or linking claim.

Currently, claims 1-12 are active.

Information Disclosure Statement

The information disclosure statement (IDS) submitted on June 30, 2004 is being considered by the examiner.

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows:

In the Claims:

Please cancel claims 13-20.

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Allowable Subject Matter

Claims 1-12 are allowed.

The following is an examiner's statement of reasons for allowance: none of the prior art of record, whether taken alone or in combination, fairly discloses all the limitations as claimed.

Re claim 1, none of the prior art of record fairly discloses the following limitations in combination with the rest of the limitations in the claim: forming a damaged interface in said single orientation layer; bonding a wafer to said multiple orientation surface; separating said single orientation layer at said damaged interface, wherein a damaged surface of said single orientation layer remains; and planarizing said damaged surface until a surface of said first device region is substantially coplanar to a surface of said second device region.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

The following prior arts of record disclose relevant teachings regarding the invention:

Yamashita '420, Yamada '981, Yeo '646, Anderson '684 and Guarini '962 teach forming

multiple orientation SOI substrates; Yi teaches exposing active regions by polishing back side of
a device wafer; and Hanson '764 teaches separating a portion of a device wafer at a damaged

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(hydrogen rich) interface. However, none of the prior art of record, whether taken alone or in combination, fairly discloses all the limitations as claimed.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Khanh B. Duong whose telephone number is (571) 272-1836. The examiner can normally be reached on 10:00-6:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Zandra Smith, can be reached on (571) 272-2429. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

KRD

Michael Trimin Primary Examiner